

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	927	(young and ho and kim).in.	US-PGPUB; USPAT	ADJ	ON	2005/09/14 11:24
S4	67	("kim, young ho").in.	US-PGPUB; USPAT	ADJ	ON	2005/07/25 12:47
S5	1	(snapshot or snap shot or snap-shot).clm. and S4	US-PGPUB; USPAT	ADJ	ON	2005/07/25 12:44
S6	6	("kang, dong jae").in.	US-PGPUB; USPAT	ADJ	ON	2005/07/25 12:47
S7	1	S5 and S6	US-PGPUB; USPAT	ADJ	ON	2005/07/25 12:44
S8	3	("bak, yu hyeon").in.	US-PGPUB; USPAT	ADJ	ON	2005/07/25 12:48
S9	35	("kim, chang soo").in.	US-PGPUB; USPAT	ADJ	ON	2005/07/25 12:48
S10	1	S9 and S5	US-PGPUB; USPAT	ADJ	ON	2005/07/25 12:46
S11	20	("kim, myung joon").in.	US-PGPUB; USPAT	ADJ	ON	2005/07/25 12:48
S13	1	S5 and S11	US-PGPUB; USPAT	ADJ	ON	2005/07/25 12:46
S14	1919	("kim, young").in.	US-PGPUB; USPAT	ADJ	ON	2005/07/25 12:47
S15	1	S5 and S14	US-PGPUB; USPAT	ADJ	ON	2005/07/25 12:47
S16	116	("kang, dong").in.	US-PGPUB; USPAT	ADJ	ON	2005/07/25 12:48
S17	1	S16 and S5	US-PGPUB; USPAT	ADJ	ON	2005/07/25 12:48
S18	3	("bak, yu").in.	US-PGPUB; USPAT	ADJ	ON	2005/07/25 12:48
S19	631	("kim, chang").in.	US-PGPUB; USPAT	ADJ	ON	2005/07/25 12:48
S20	1	S19 and S5	US-PGPUB; USPAT	ADJ	ON	2005/07/25 12:48
S21	219	("kim, myung").in.	US-PGPUB; USPAT	ADJ	ON	2005/07/25 12:48
S22	1	S21 and S5	US-PGPUB; USPAT	ADJ	ON	2005/07/25 12:48
S23	233	(snap shot or snapshot or snap-shot) and 711/162.ccls.	US-PGPUB; USPAT	ADJ	ON	2005/07/25 16:37
S24	10	(first allocation (bit or flag or indicator or semaphore))	US-PGPUB; USPAT	ADJ	ON	2005/07/25 16:23
S27	29572	copy on write or copy-on-write or COW	US-PGPUB; USPAT	ADJ	ON	2005/07/25 16:24

S28	43	S23 and S27	US-PGPUB; USPAT	ADJ	ON	2005/07/25 16:24
S29	61	(snap shot or snapshot or snap-shot) and 711/161.ccls.	US-PGPUB; USPAT	ADJ	ON	2005/07/25 16:38
S30	10	S27 and S29	US-PGPUB; USPAT	ADJ	ON	2005/07/25 16:38
S31	2	S30 not S28	US-PGPUB; USPAT	ADJ	ON	2005/07/25 16:38
S33	1	"6341341".pn.	USPAT	ADJ	ON	2005/07/26 11:55
S34	6	(snap shot or snapshot or snap-shot) same (copy on write or copy-on-write or cow) same (map\$4 near3 table)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/07/26 12:23
S35	156	(snap shot or snapshot or snap-shot) and (copy on write or copy-on-write or cow) and (storage area network or san)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/07/26 12:03
S36	0	(snap shot or snapshot or snap-shot) and (copy on write or copy-on-write or cow) and (storage area network or san) and (map\$4 table) and ((snap shot or snapshot or snap-shot) table)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/07/26 12:02
S37	11	(snap shot or snapshot or snap-shot) and (copy on write or copy-on-write or cow) and (storage area network or san) and (map\$4 table) and ((snap shot or snapshot or snap-shot) near2 table)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/07/26 12:02
S38	53	(snap shot or snapshot or snap-shot) with (copy on write or copy-on-write or cow) and (storage area network or san)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/07/26 12:05
S39	5	((snap shot or snapshot or snap-shot) with (copy on write or copy-on-write or cow) with table) and (storage area network or san)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/07/26 12:04
S40	4	((snap shot or snapshot or snap-shot) with (copy on write or copy-on-write or cow) with map\$4) and (storage area network)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/07/26 12:06

S41	10	((snap shot or snapshot or snap-shot) with (copy on write or copy-on-write or cow) with map\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/07/26 12:06
S42	6	S41 not S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/07/26 12:12
S44	1	"6131148".pn.	USPAT	ADJ	ON	2005/07/26 12:12
S48	1	"5535381".PN.	USPAT; USOCR	ADJ	ON	2005/07/26 12:35
S49	1	"5487160".PN.	USPAT; USOCR	ADJ	ON	2005/07/26 12:36
S50	40	("5210866"   "5241670"   "5375232"   "5379412"   "5487160"   "5555371"   "5574851"   "5604862"   "5649152"   "5692155"   "5790773"   "5835953").PN. OR ("6131148").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2005/09/13 10:48
S52	8	(copy on write or copy-on-write or cow) same ((snapshot or snap shot or snap-shot) near2 (volume) near5 (add\$3 or creat\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/13 10:56
S53	31	(copy on write or copy-on-write or cow) with ((snapshot or snap shot or snap-shot) near5 (add\$3 or creat\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/13 10:57
S55	3	08/963,754	USPAT	ADJ	ON	2005/09/13 13:53
S56	1147	(san or storage area network) and (711/161 or 711/162 or 711/114)	US-PGPUB; USPAT; USOCR	ADJ	ON	2005/09/13 15:15
S57	39	(copy on write or copy-on-write or cow) and S56	US-PGPUB; USPAT; USOCR	ADJ	ON	2005/09/13 15:16
S59	9	(storage array network) and (711/161 or 711/162 or 711/114)	US-PGPUB; USPAT; USOCR	ADJ	ON	2005/09/13 14:13
S60	3	(copy on write or copy-on-write or cow) and S59	US-PGPUB; USPAT; USOCR	ADJ	ON	2005/09/13 14:13

S61	2	S60 not S57	US-PGPUB; USPAT; USOCR	ADJ	ON	2005/09/13 14:13
S62	3613	"20050913".pd.	USPAT	ADJ	ON	2005/09/13 14:28
S66	11	(first allocation) near2 (bit or flag or indicator)	USPAT	ADJ	ON	2005/09/13 14:43
S69	551	(san or storage area network or storage array network) and (707/204)	US-PGPUB; USPAT; USOCR	ADJ	ON	2005/09/13 15:16
S70	21	(copy on write or copy-on-write or cow) and S69	US-PGPUB; USPAT; USOCR	ADJ	ON	2005/09/13 15:16
S71	7	S70 not S57	US-PGPUB; USPAT; USOCR	ADJ	ON	2005/09/13 15:24
S72	32	(block or segment or track) near4 (creat\$3 or allocat\$3) with (cow or copy on write or copy-on-write)	US-PGPUB; USPAT; USOCR	ADJ	ON	2005/09/13 15:27
S76	56647	(international business machines). as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/13 16:37
S77	56	(copy on write or copy-on-write or cow) and S76	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/13 16:37
S78	35	(copy on write or copy-on-write or cow) same ((snap-shot or snapshot or snap shot) near2 (volume or container of unit or lun))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/14 08:50
S79	11	(copy on write or copy-on-write or cow) with ((snap-shot or snapshot or snap shot) adj (volume or container of unit or lun))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/14 08:51
S82	4	(copy on write or copy-on-write or cow) same ((snap-shot or snapshot or snap shot) adj (volume or container of unit or lun) adj (creat\$2 or add\$2 or append\$2 or allocat\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/14 08:53

S84	30	(copy on write or copy-on-write or cow) with ((volume or container or unit or lun) near2 (creat\$2 or add\$2 or append\$2 or allocat\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/14 08:55
S85	29	(storage array network or storage area network or san) and ((disk or disc) and map\$4 near2 (table or log) and (snapshot or snap shot or snap-shot) near2 (table or log))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/14 09:11
S86	55	((map\$4) near2 (table) near6 (store\$1 or locate\$1 or reside\$1) near3 (disc or disk)) and (san or storage array network or storage area network)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/14 09:13
S87	6	((map\$4) near2 (table) near6 (store\$1 or locate\$1 or reside\$1) near3 (disc or disk)) and (san or storage array network or storage area network) and (snap shot or snap-shot or snapshot)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/14 09:15
S88	19	map\$4 table and (snapshot or snap shot or snap-shot) table	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/14 09:21
S89	2208	711/161 or 711/162	US-PGPUB; USPAT	ADJ	ON	2005/09/14 09:26
S90	586	(san or storage area network or storage array network) and S89	US-PGPUB; USPAT	ADJ	ON	2005/09/14 09:27
S91	3598	(disk or disc) near4 (stor\$3 or located or resid\$3) near4 (table or log)	US-PGPUB; USPAT	ADJ	ON	2005/09/14 09:29
S92	48	S90 and S91	US-PGPUB; USPAT	ADJ	ON	2005/09/14 09:34
S93	15	S92 and (snapshot or snap shot or snap-shot)	US-PGPUB; USPAT	ADJ	ON	2005/09/14 09:39
S94	356	S89 and (snapshot or snap shot or snap-shot)	US-PGPUB; USPAT	ADJ	ON	2005/09/14 09:39
S95	34	S91 and S94	US-PGPUB; USPAT	ADJ	ON	2005/09/14 09:53
S96	630	(disk or disc) near2 (stor\$3 or locat\$2) near2 map\$4	US-PGPUB; USPAT	ADJ	ON	2005/09/14 09:59
S97	5936	711/161 or 711/162 or 711/114 or 707/204	US-PGPUB; USPAT	ADJ	ON	2005/09/14 09:54

S98	104	S96 and S97	US-PGPUB; USPAT	ADJ	ON	2005/09/14 09:54
S99	32	S98 and (snap shot or snapshot or snap-shot)	US-PGPUB; USPAT	ADJ	ON	2005/09/14 09:59
S10 0	1143	(disk or disc) near2 (stor\$3 or locat\$2) near2 table	US-PGPUB; USPAT	ADJ	ON	2005/09/14 09:59
S10 1	105	S97 and S100	US-PGPUB; USPAT	ADJ	ON	2005/09/14 09:59
S10 2	15	S101 and (snap shot or snapshot or snap-shot)	US-PGPUB; USPAT	ADJ	ON	2005/09/14 09:59
S10 3	539	(table near3 (disc or disk)) and (711/161 or 711/162 or 711/114 or 707/204)	US-PGPUB; USPAT	ADJ	ON	2005/09/14 12:14
S10 4	94	S103 and (snap shot or snapshot or snap-shot)	US-PGPUB; USPAT	ADJ	ON	2005/09/14 11:42
S10 5	13	(snap shot or snapshot or snap-shot) near3 (map\$4 or table) near3 (disk or disc)	US-PGPUB; USPAT	ADJ	ON	2005/09/14 11:43
S10 6	17	(san or storage area network or storage array network) and (mapping table near5 (disk or disc) near5 (locate\$2 or store\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/14 12:02
S10 7	8	(snap shot or snapshot or snap-shot) and (mapping table near5 (disk or disc) near5 (locate\$2 or store\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/14 12:03
S10 8	79	(snap shot or snapshot or snap-shot) and (table near3 (disk or disc) near3 (located or store\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/14 12:03
S10 9	3257	(table or log) near3 (stor\$3 or locat\$3 or resid\$3) near3 (disk or disc)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/14 12:14
S11 0	277	S109 and (711/161 or 711/162 or 711/114 or 707/204)	US-PGPUB; USPAT	ADJ	ON	2005/09/14 12:14
S11 1	151	S110 and map\$4	US-PGPUB; USPAT	ADJ	ON	2005/09/14 12:15
S11 2	42	S111 and (snapshot or snap shot or snap-shot)	US-PGPUB; USPAT	ADJ	ON	2005/09/14 12:23

S11 3	114	(san or storage area network or storage array network) and (snap shot or snapshot or snap-shot) and (plurality near2 (disk or disc))	US-PGPUB; USPAT	ADJ	ON	2005/09/14 12:32
S11 4	14	S113 and (711/161 or 711/162)	US-PGPUB; USPAT	ADJ	ON	2005/09/14 12:40
S11 5	266	table near6 ((block or segment or track) and (snap shot or snap-shot or snapshot))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/14 12:43
S11 6	13	S115 and (711/161 or 711/161)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/14 12:47
S11 7	83	snapshot table	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/14 12:49
S11 8	39	(snapshot or snap shot or snap-shot) near4 table near4 (map\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/14 12:53
S11 9	0	((snapshot or snap shot or snap-shot) adj field) and (map\$4 adj field)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/14 12:53
S12 0	44	((snapshot or snap shot or snap-shot) near3 field) and (map\$4 near3 field)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/14 12:57
S12 1	119	table near6 (physical and (snapshot or snap-shot or snap shot))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/14 12:59

S12 2	5	table near4 physical near4 (snapshot or snap-shot or snap shot)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/14 13:00
S12 3	40	table near4 map\$4 near4 (snapshot or snap-shot or snap shot)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2005/09/14 13:00



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